

## DIVISION F2

## DETAILED REQUIREMENTS

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- a. Coal feeder to feeder fuel balance within  $\pm 5\%$ .
  - b. Coal pipe primary airflow and coal flow balance to be  $\pm 10\%$  (as established by calculation or field testing).
  - c. Coal fineness leaving each pulverizer shall not be less than 70% through 200 mesh screen and 99% through 50 mesh.
  - d. Adequate and steady fuel flow to maintain desired load.
  - e. Primary air/coal temperature in the range of 150°F to 160°F for bituminous coal.
  - f. Air/fuel ratio as determined during the baseline tests.
  - g. Secondary air temperature in the range of 660°F to 670°F.
  - h. Excess air to be in the range of 13.5% to 18% (performance guarantees are to be achieved throughout this range).
  - i. Baseline and acceptance coal must have same slagging/fouling characteristics.
  - j. Seven (7) pulverizers in-service (E and G pulverizers alternately out-of-service).
  - k. Superheat and convection pass surfaces maintained within a range of 80% to 85% actual cleanliness.
  - l. Boiler tube maximum allowable metal temperatures must not be exceeded.
  - m. Turbine throttle pressure of 2,375 psi.
  - n. Furnace cleanliness maintained at 85% to 90% actual cleanliness.
  - o. Superheat attemperator spray flow at or above 50,000 lbs/hr.
  - p. Reheat attemperator spray flow at 0 lbs/hr.
  - q. Boiler and boiler auxiliaries will be in good operable condition.
- (1) Performance guarantees are contingent upon unit performance verification. Baseline performance testing data obtained prior to Low NOx modifications will be used for performance verification.
  - (2) Performance guarantees are based upon burning bituminous fuel, as shown in the May 2002 coal analysis from James Nelson dated 7/31/02.